Title (en)

Artificial neuron and method of using same.

Title (de)

Künstliches Neuron.

Title (fr)

Neurone artificiel.

Publication

EP 0629969 A1 19941221 (EN)

Application

EP 94304233 A 19940613

Priority

US 7660293 A 19930614

Abstract (en)

An artificial neuron, which may be implemented either in hardware or software, has only one significant processing element in the form of a multiplier (22, FIG. 4). Inputs are first fed through gating functions to produce gated inputs. These gated inputs are then multiplied together to produce a product which is multiplied by a weight to produce the neuron output. <IMAGE>

IPC 1-7

G06F 15/80; G06F 7/552

IPC 8 full level

G06F 15/18 (2006.01); **G06F 7/552** (2006.01); **G06N 3/063** (2006.01); **G06N 3/08** (2006.01)

CPC (source: EP KR US)

G06F 7/552 (2013.01 - EP KR US); **G06N 3/063** (2013.01 - EP KR US); G06F 2207/5523 (2013.01 - EP KR US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

US 6151594 A 20001121; CA 2125244 A1 19941215; CN 1107598 A 19950830; EP 0629969 A1 19941221; JP H0713950 A 19950117; KR 950001520 A 19950103; MX 9404367 A 19950131; TW 240304 B 19950211; US 5390136 A 19950214

DOCDB simple family (application)

US 29423594 A 19940822; CA 2125244 A 19940606; CN 94106565 A 19940610; EP 94304233 A 19940613; JP 15165494 A 19940609; KR 19940013277 A 19940610; MX 9404367 A 19940609; TW 83104209 A 19940510; US 7660293 A 19930614